



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

ES Windows, LLC
10653 NE Quaybridge Ct.
Miami, FL 33138

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4000" Aluminum Sliding Glass Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-100**, titled "Series-4000 Aluminum Sliding Patio Door (LMI), sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 11/08/03 with revision "G" dated 03/06/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LIMITATIONS:

1. Glass lites wider than 36" shall have two setting blocks per FBC requirements.
2. Exterior (positive) design pressures are limited to +70 PSF w / 2¹/₂" sill and to +80 PSF w / 3¹/₄" sill.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla, Colombia**, models/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. **09-0210.07** and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
5/23/12

NOA No. 12-0312.03
Expiration Date: March 18, 2014
Approval Date: May 24, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 08-0204.06, 04-1117.05 and 03-1208.02)
2. Drawing No. **W03-100**, titled "Series-4000 Aluminum Sliding Patio Door (LMI), sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 11/08/03 with revision "G" dated 03/06/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, Type "A-A" sliding door, Grade 10, Level LV 1 per ASTM F 588 and per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., for the following Test Report(s) No.(s):
 - a) **FTL-5471**, dated 01/24/08, signed and sealed by Michael R. Wenzel, P. E.
(Submitted under previous NOA No. 08-0417.03)
 - b) **FTL-4287**, dated 09/22/04, signed and sealed by Joseph C. Chan, P. E.,
(Submitted under previous NOA No. 04-1117.05)
 - c) **FTL-4287**, dated 09/22/04, signed and sealed by Edmundo Largaespada, P.E.,
(Submitted under previous NOA No. 04-1117.05)
 - d) **FTL-3908**, dated 10/09/03, **FTL-3909**, dated 09/26/03 and **FTL-3910**, dated 09/30/03, all signed and sealed by Joseph C. Chan, P.E.
(Submitted under previous NOA No. 03-1208.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 03/09/12, signed and sealed by Javad Ahmad, P. E.
2. **Glazing complies with ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).


Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 12-0312.03

Expiration Date: March 18, 2014

Approval Date: May 24, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

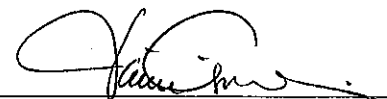
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/17.

F. STATEMENTS

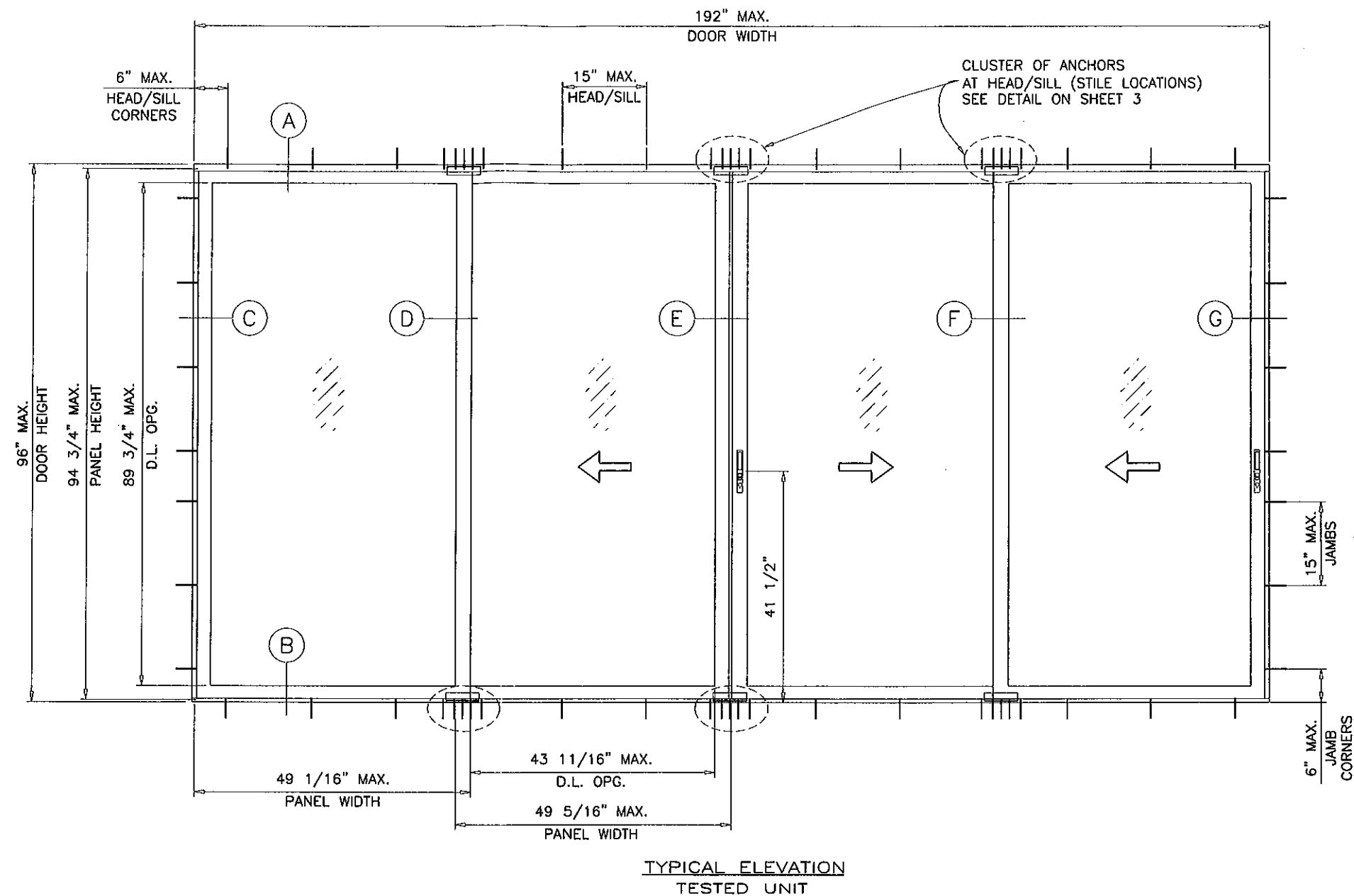
1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 03/05/12, signed and sealed by Javad Ahmad, P. E.
2. Distributor Agreement between, E.S. Windows – Energia Solar S.A., Barranquilla, Colombia and E.S. Windows, LLC, Miami, Florida, U.S.A., dated 10/20/10, signed by Carla Garcia Torrente and by Andres Chamorro, respectively.
3. Laboratory compliance letter(s) for the following Test Report(s) No.(’s):
 - a. **FTL-5471**, dated 01/24/08, signed and sealed by Michael R. Wenzel, P. E.
(Submitted under previous NOA No. 08-0417.03)
 - b. **FTL-4287**, dated 09/22/04, signed and sealed by Joseph C. Chan, P. E.,
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(Submitted under previous NOA No. 03-1208.02)

G. OTHERS

1. Notice of Acceptance No. **08-0417.03**, issued to ES Windows, LLC for their "Series 4000 Aluminum Sliding Glass Door-L.M.I.", approved on 04/01/09 and expiring on 03/18/14.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0312.03
Expiration Date: March 18, 2014
Approval Date: May 24, 2012



TYPICAL ELEVATION
TESTED UNIT

SERIES-4000 ALUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN ON SHEETS 2 AND 3.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

DOORS GLAZED WITH LAMINATED GLASS RATED FOR LARGE & SMALL MISSILE IMPACT AND REQUIRE NO SHUTTERS.

PRODUCT REVISED
as complying with the Florida
Building Code **12-0312.03**
Acceptance No
Expiration Date **03/18/2014**
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

[Signature]

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL (305) 624-7775 FAX (305) 624-7777

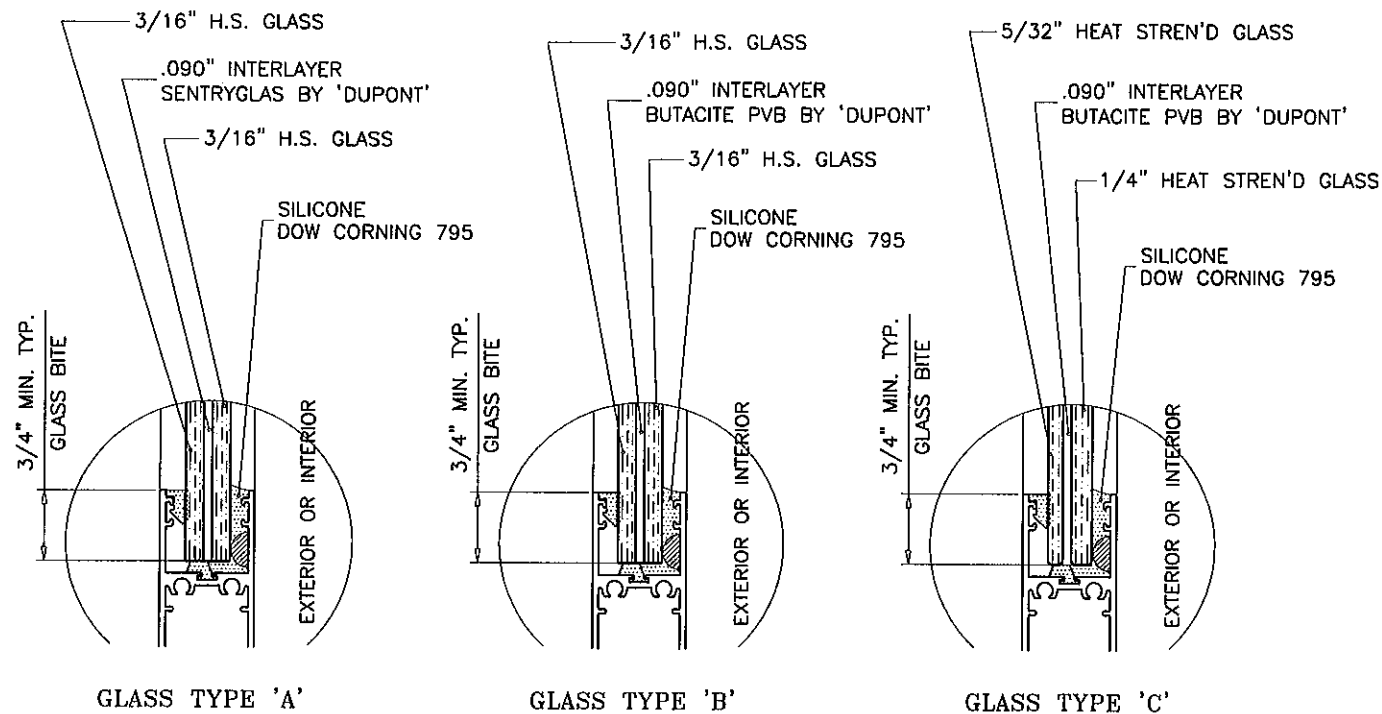
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E	02.15.08	GLASS TYPE C	ADDED
F	01.21.09	UPDATED FOR	2007 FBC
G	03.06.12	UPDATED TO	2010 FBC

date: 11-08-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-100

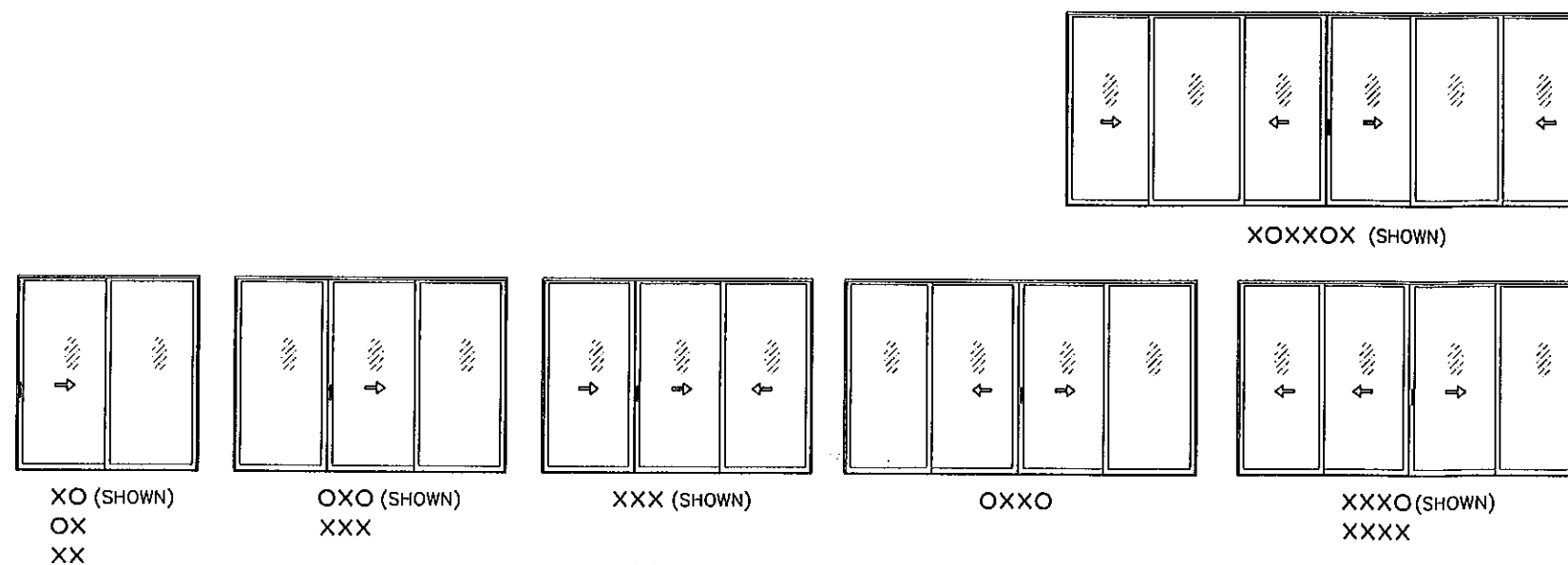
sheet 1 of 8

COMP-ANL\W03-100ES



SEE SHEET 3 FOR XO OR XX DOORS WITH HEAVY REINFORCING

		DESIGN LOAD CAPACITY - PSF (ALL CONFIGURATIONS SHOWN ON THIS SHEET) GLASS TYPES 'A', 'B' OR 'C'					
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	NO REINFOR'G		MEDIUM REINFOR'G		HEAVY REINFOR'G	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	80	70.0	80.0	70.0	80.0	70.0	80.0
36		70.0	80.0	70.0	80.0	70.0	80.0
42		-	-	70.0	80.0	70.0	80.0
48		-	-	-	-	70.0	80.0
54		-	-	-	-	70.0	80.0
30	96	-	-	70.0	80.0	70.0	80.0
36		-	-	70.0	80.0	70.0	80.0
42		-	-	-	-	70.0	80.0
48		-	-	-	-	70.0	80.0
54		-	-	-	-	70.0	80.0



APPROVED CONFIGURATIONS

XOXXO (SHOWN)

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0312.03
Expiration Date 03/18/2014
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE. # 70592
C.A.N. 3538
[Signature]

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP - ANL W03-100ES

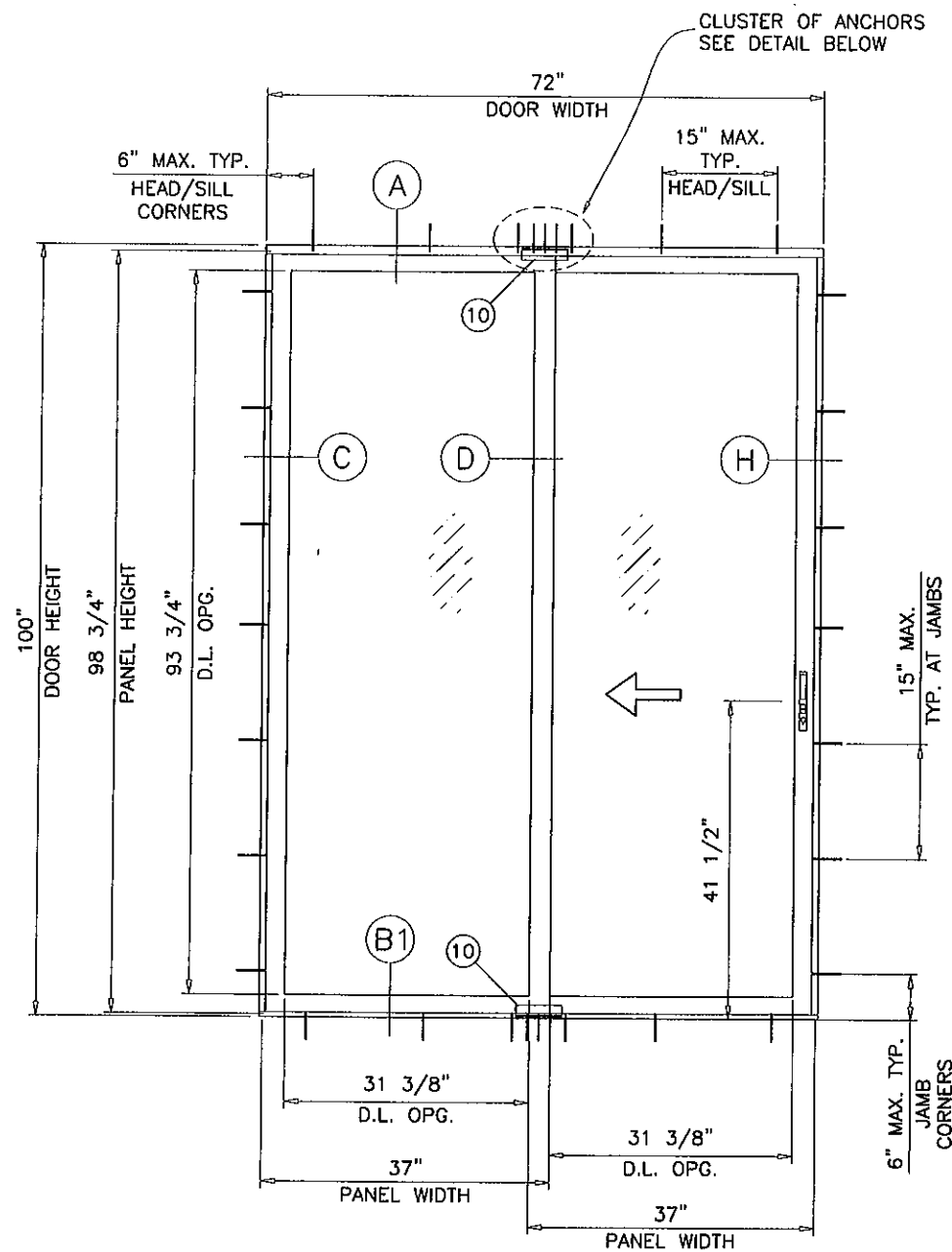
SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL (305) 624-7775 FAX (305) 624-7777

revisions:	no.	date	by	description
D	09.14.06			REV. PER BCCO COMMENTS
E	02.15.08			GLASS TYPE C ADDED
F	01.21.09			UPDATED FOR 2007 FBC
G	03.06.12			UPDATED TO 2010 FBC

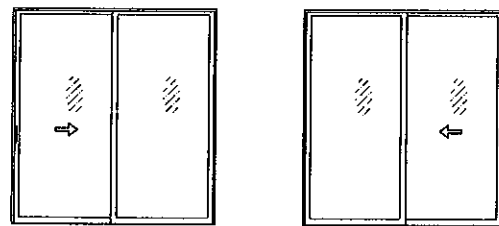
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chk. by:

drawing no.
W03-100

sheet 2 of 8



TYPICAL ELEVATION



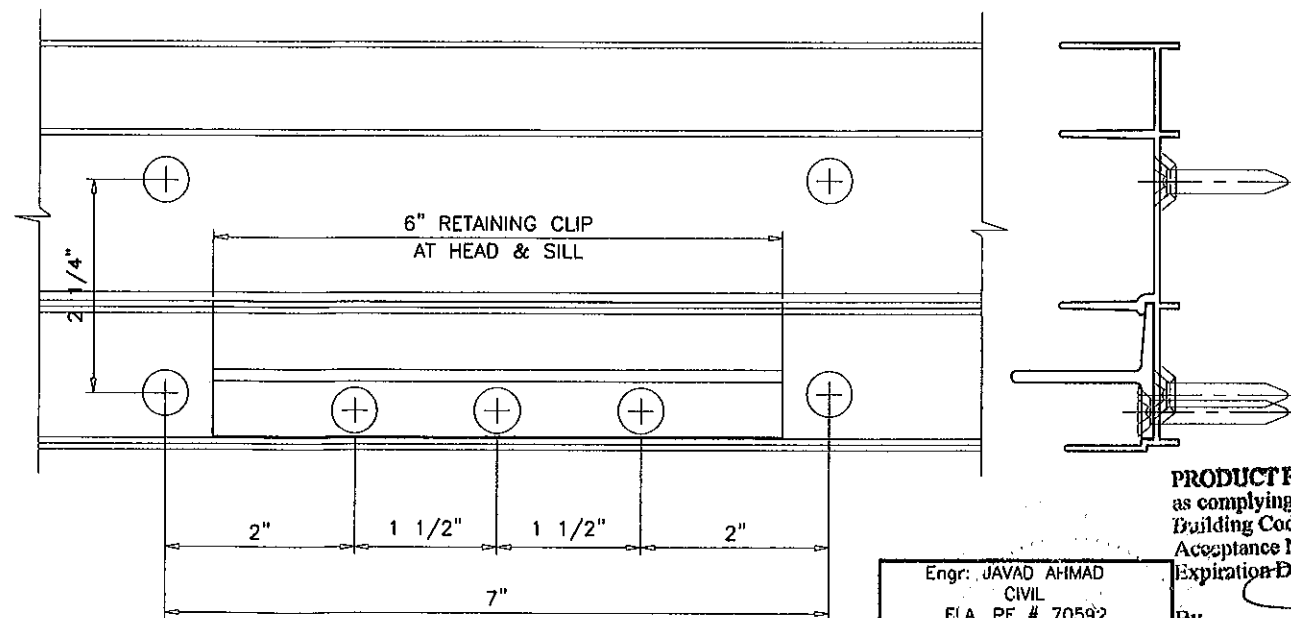
APPROVED CONFIGURATIONS

SEE SHEET 2 FOR DOORS WITH MEDIUM OR NO REINFORCING

DESIGN LOAD CAPACITY - PSF (OX OR XO ONLY) GLASS TYPES 'A' OR 'B' HEAVY REINF'G (SEE DETAIL SHEET 5)			
PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	EXT. (+)	INT. (-)
30	80	80.0	103.0
36		80.0	103.0
42		80.0	103.0
45		80.0	103.0
30	96	80.0	103.0
36		80.0	103.0
30	100	80.0	103.0
36		80.0	103.0

THE SHOWN EXT. (+) LOADS REQUIRE
3-1/4" SILL HEIGHT (DTL. B1 ON SHEET 4).
REDUCE EXT.(+) LOAD CAPACITY TO
+70.0 PSF IF 2-1/2" SILL HEIGHT IS USED
INT.(-) LOADS REMAIN UNCHANGED.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



DETAIL CLUSTER OF ANCHORS AT STILE ENDS

Engr. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0312.03
Expiration Date 03/18/2014
By: [Signature]
Miami Dade Product Control

MAR 09 2012

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AL-FAROOQ CORPORATION
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COMP-ANL W03-100CS

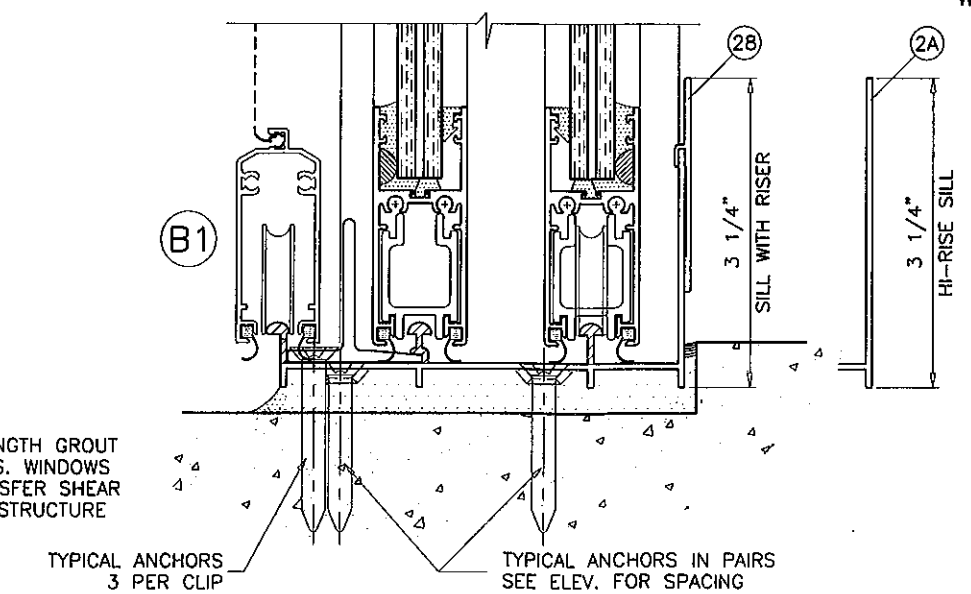
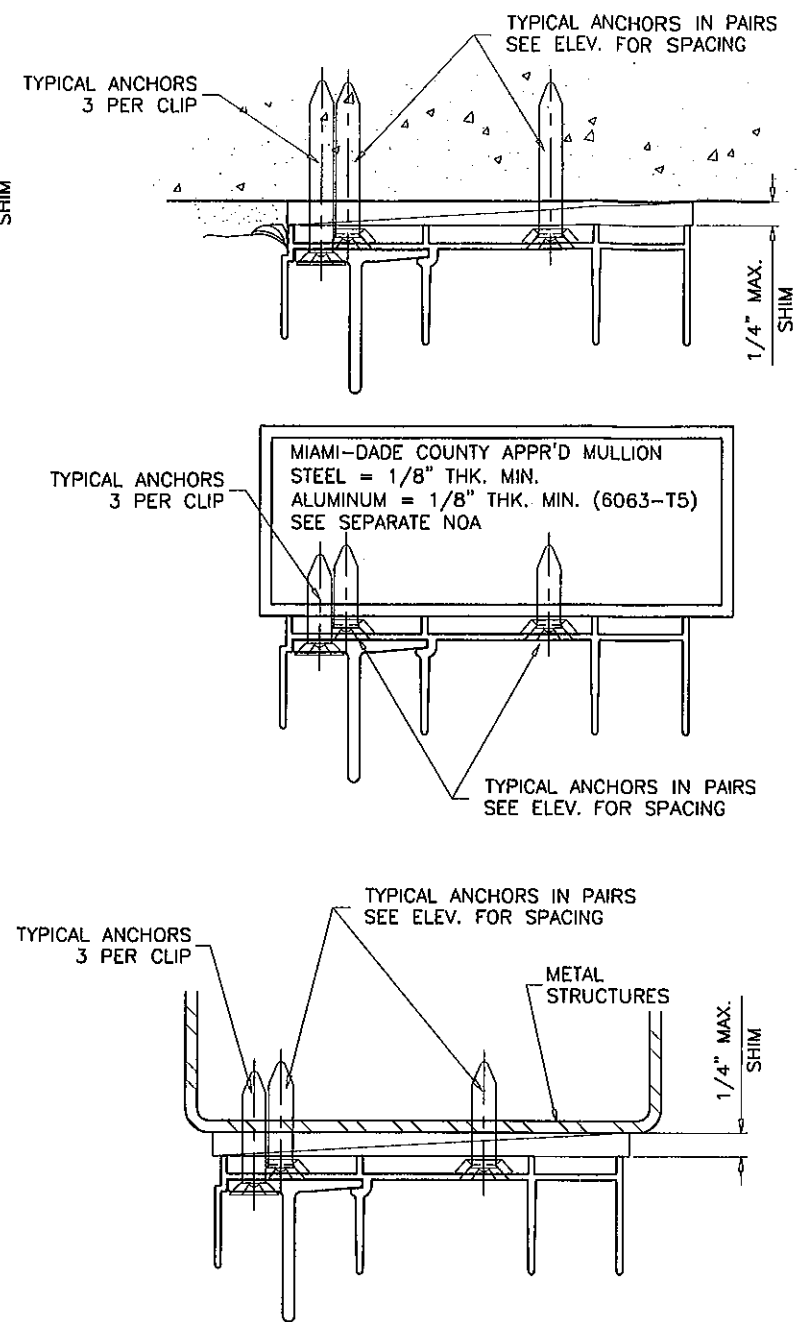
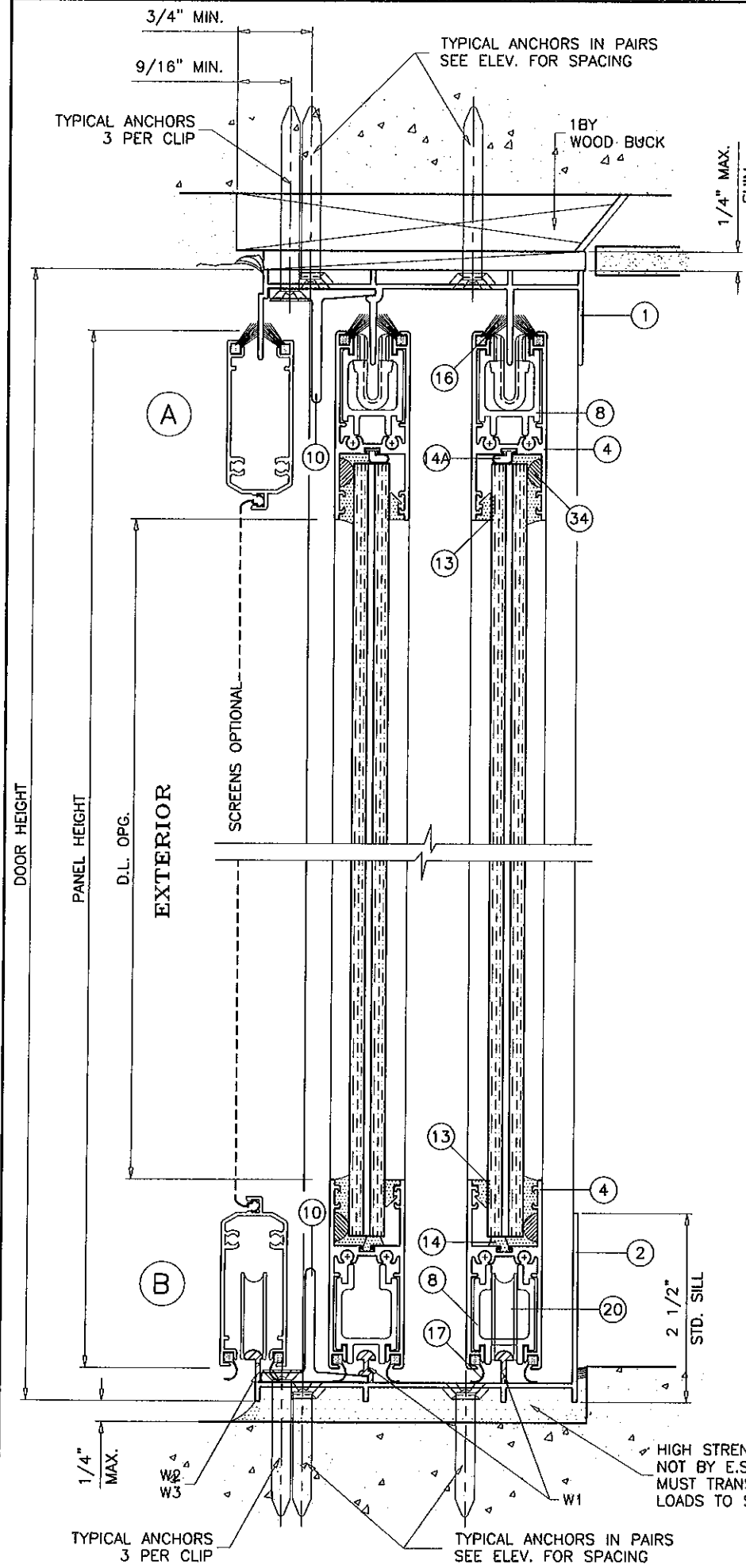
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TEL. (305) 624-7775 FAX. (305) 624-7777

no	date	by	description
D	09.14.06	REV.	PER BOCO COMMENTS
E	02.15.08	CHART	REV.
F	01.21.09	UPDATED	FOR 2007 FBC
G	03.06.12	UPDATED	TO 2010 FBC

date: 11-08-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-100

sheet 3 of 8



WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WINDOWS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACONS BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
 (NO SHIM SPACE)

MIN. EDGE DISTANCES
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = SEE DETAIL (A)
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.
 MASONRY f'm = 1500 PSI MIN.

SEALANT:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
 WHITE/ALUMINUM COLORED SILICONE.

WEEPHOLES:
 W1 = 1-3/4" WEEP NOTCH AT EACH END
 W2 = 3/4" WEEP NOTCH AT EACH END
 W3 = 3" X 1/4" WEEP HOLES AT 2" FROM EACH END

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **12-03/2.03**
 Expiration Date **03/18/2014**
 By *[Signature]*
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
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COMP-ANL\W03-100ES

SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)

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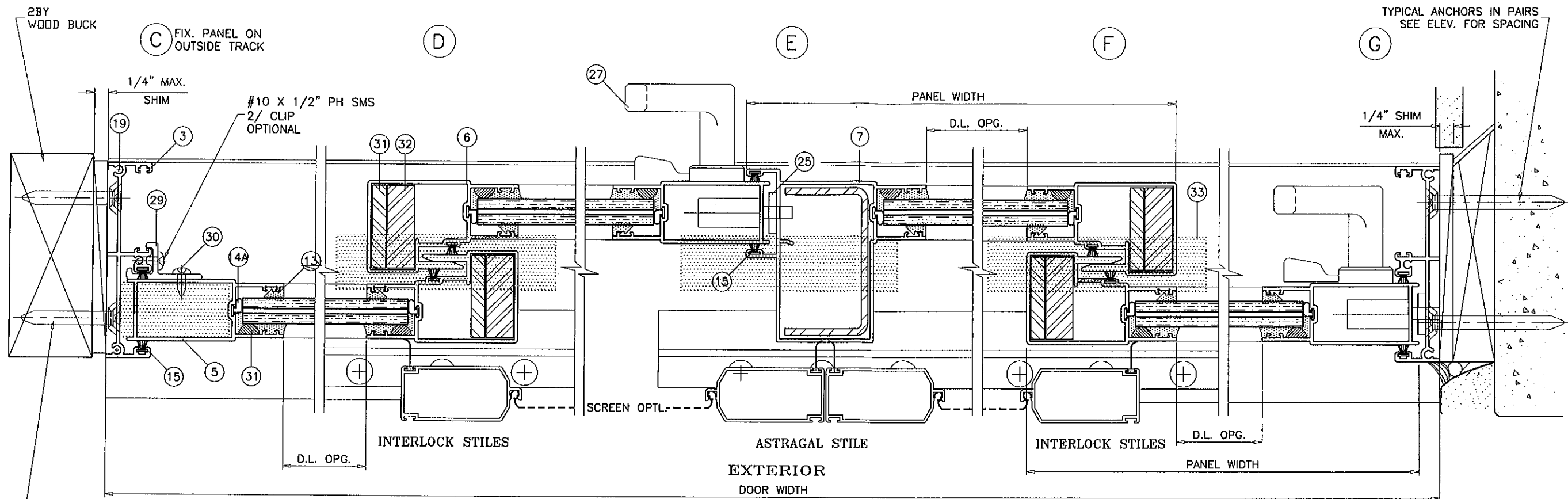
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 dr. by: HAMID
 chk. by:

no	date	by	description
D	09.14.06	REV.	PER BCCO COMMENTS
E	02.15.08	NO	CHANGE THIS SHEET
F	01.21.09	UPDATED	FOR 2007 FBC
G	03.06.12	UPDATED	TO 2010 FBC

drawing no.
W03-100

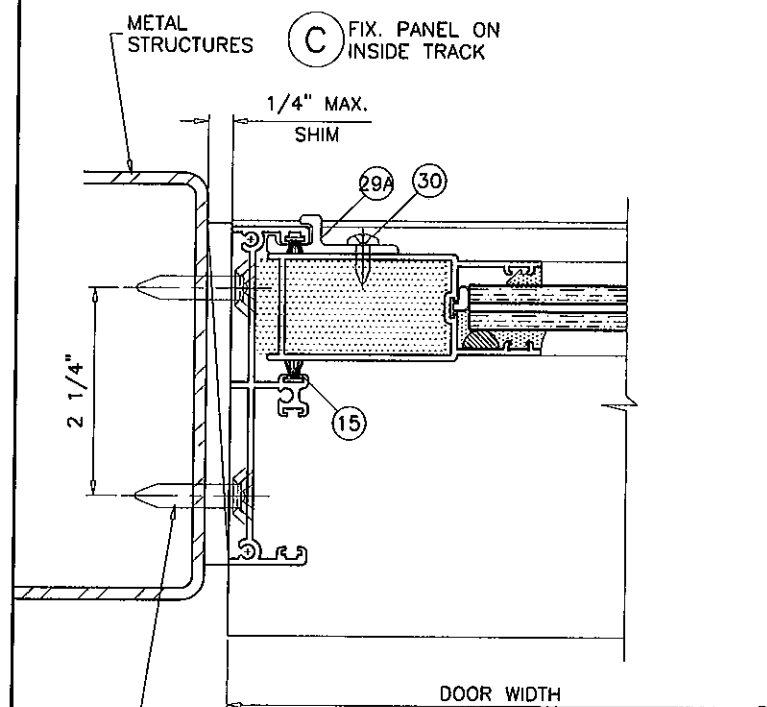
sheet 4 of 8

11-08-03

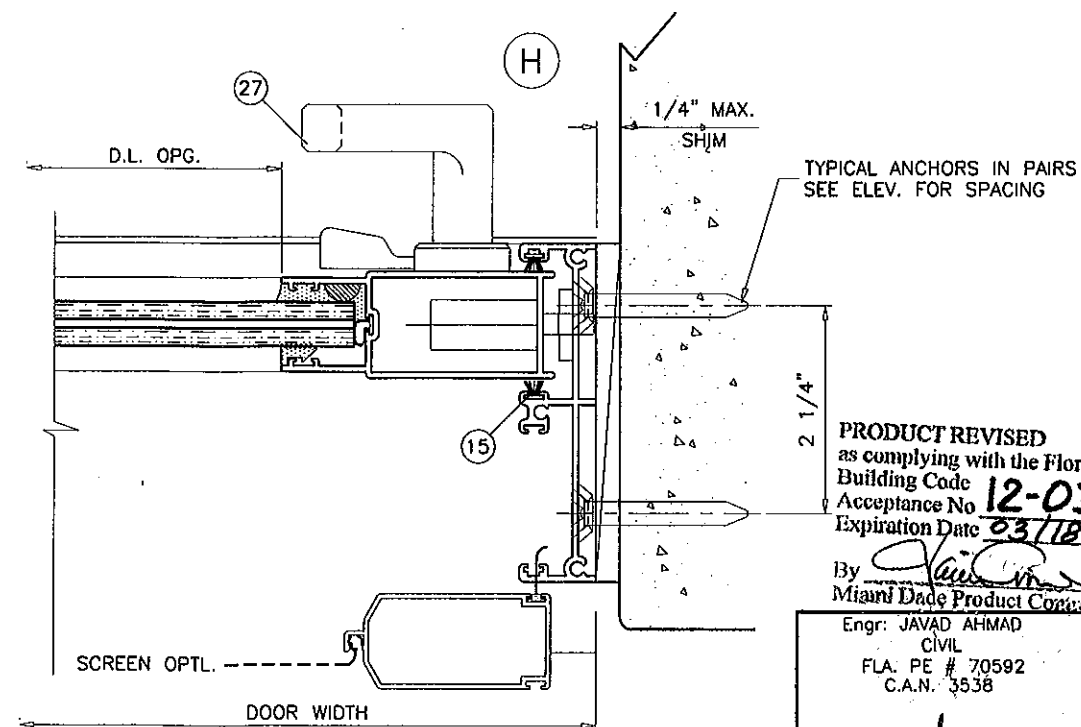


TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

HEAVY REINFORCING AT INTERLOCK & ASTRAGAL STILES



TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



PRODUCT REVISED
as complying with the Florida
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Acceptance No. **12-0312.03**
Expiration Date **03/18/2014**

By *[Signature]*
Miami Dade Product Control
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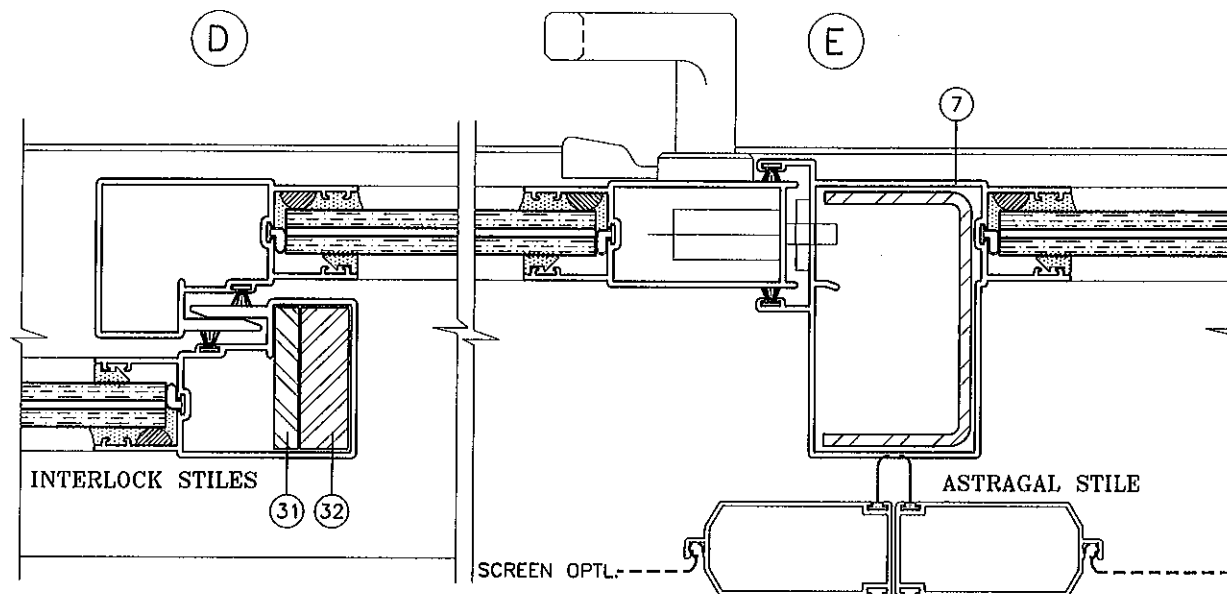
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no.	date	by	description
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G	03.06.12	UPDATED	TO 2010 FBC

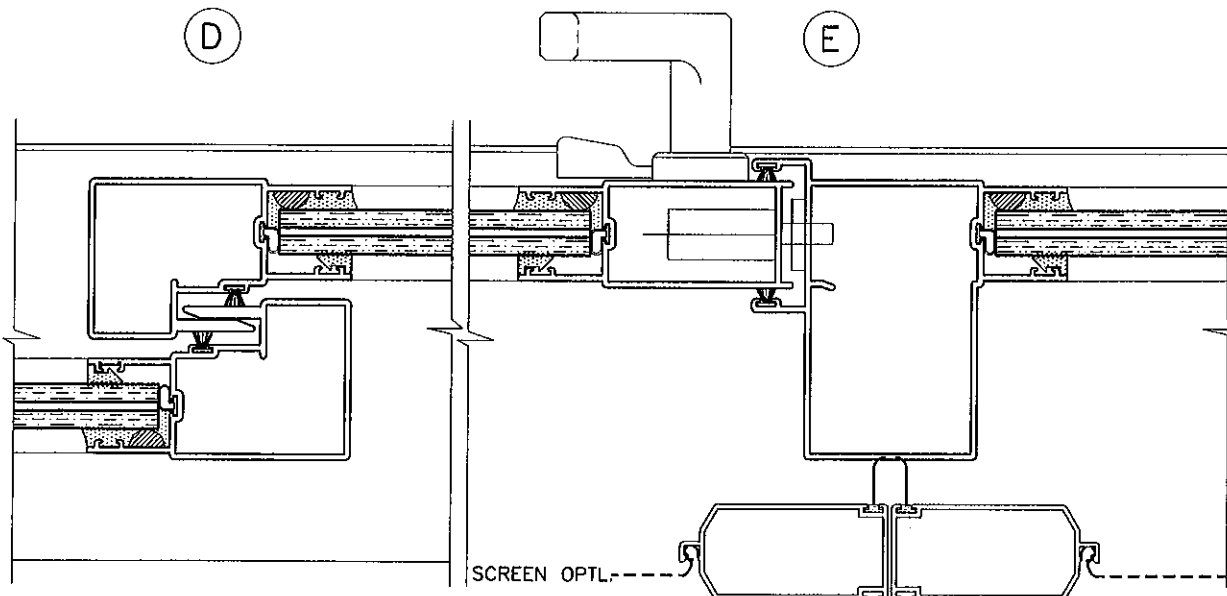
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scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

drawing no.
W03-100

sheet 5 of 8



MEDIUM REINFORCING
AT EXT. INTERLOCK & ASTRAGAL STILES



NO REINFORCING

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES-4001-1	1	FRAME HEAD	6063-T6	-
2	ES-4002-1	1	STD. FRAME SILL	6063-T6	-
2A	-	1	HI-RISE FRAME SILL	6063-T6	-
3	ES-4003-1	1	FRAME JAMB	6063-T6	-
4	ES-4004-1	2/ PANEL	TOP AND BOTTOM RAIL	6063-T5	-
5	ES-4005-1	AS REQD.	LOCK STILE	6063-T5	-
6	ES-4006-1	AS REQD.	INTERLOCK	6063-T5	-
7	ES-4007-1	AS REQD.	FEMALE ASTRAGAL	6063-T5	-
8	ES-4008	AS REQD.	TOP & BOTTOM RAIL STIFFENER	6063-T6	-
9	ES-4009	2/ PANEL	PANEL GUIDE (TOP ONLY)	CELCON	NOT SHOWN
10	ES-4010	2/ PANEL	RETAINER CLIP, 6" LONG	6063-T6	-
13	ES-4013	AS REQD.	GLAZING WEDGE	-	-
14	ES-4014	AS REQD.	BOTTOM RAIL GLASS STOP	NEOPRENE	-
14A	ES-4019	AS REQD.	SILICONE STOP	NEOPRENE	-
15	W23241NK	AS REQD.	STILE & JAMB W'STRIPPING	-	GLASS PANELS, ULTRAFAB
16	Q26647DK	AS REQD.	TOP RAIL W'STRIPPING	-	GLASS PANELS, ULTRAFAB
17	ES-4015	AS REQD.	BOTTOM RAIL W'STRIPPING	VINYL	GLASS PANELS
19	#10X1-1/4" PH SMS	8/ PANEL	PANEL ASSY SCREWS	-	GLASS PANELS
19A	#10X1" FH SMS	2/ CORNER	FRAME ASSY SCREWS	-	-
20	TA-35-1935-4281	2/ MOV. PANEL	GLASS PANEL ROLLER ASSY.	ST. STEEL	1-1/4" O.D. WHEELS
21	#10X1-1/4" PH SMS	1/ ROLLER	ROLLER INST. SCREWS	-	GLASS PANELS ONLY
23	2300-10SS	1/ MOV. PANEL	MORTISE LOCK	ST. STEEL	-
24	-	2/ LOCK	LOCK INSTALLATION SCREW	-	#6-32 X 1/2" FH MS, ST. STEEL
25	537	1/ LOCK	LOCK STRIKE PLATE	PLATED STEEL	-
26	#10 PH SMS	2/ LOCK	STRIKE PLATE MOUNT. SCREW	-	NOT SHOWN
27	#623Z	1/ LOCK	INTERIOR AND EXTERIOR PULL	-	(3) #6-32 X 1/2" FH MS, ST. STEEL
28	ES4028	AS REQD.	SILL RISER	6063-T5	-
29	ES-4017	2/ PANEL	FIXED PANEL CLIP (OUTSIDE PANEL)	6063-T5	-
29A	ES-4020	2/ PANEL	FIXED PANEL CLIP (INSIDE PANEL)	6063-T5	FOR OXO DOORS
30	#10X1/2" PH SMS	2/ CLIP	FIXED PANEL CLIP FASTENER	-	-
31	-	AS REQD.	1/4" X 1-1/2" REINFORCING BAR	STEEL	-
32	-	AS REQD.	1/2" X 1-1/2" REINFORCING BAR	STEEL	-
33	P38024FK	AS REQD.	3" LONG SELF ADHESIVE PILE PAD	WOOL	AT HEAD AND SILL
34	-	2/ SIDE	BUMPON	NEOPRENE	-

PRODUCT REVISED
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Expiration Date **03/18/2014**
By *[Signature]*
Miami Made Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N: 3538

[Signature]

MAR 09 2012

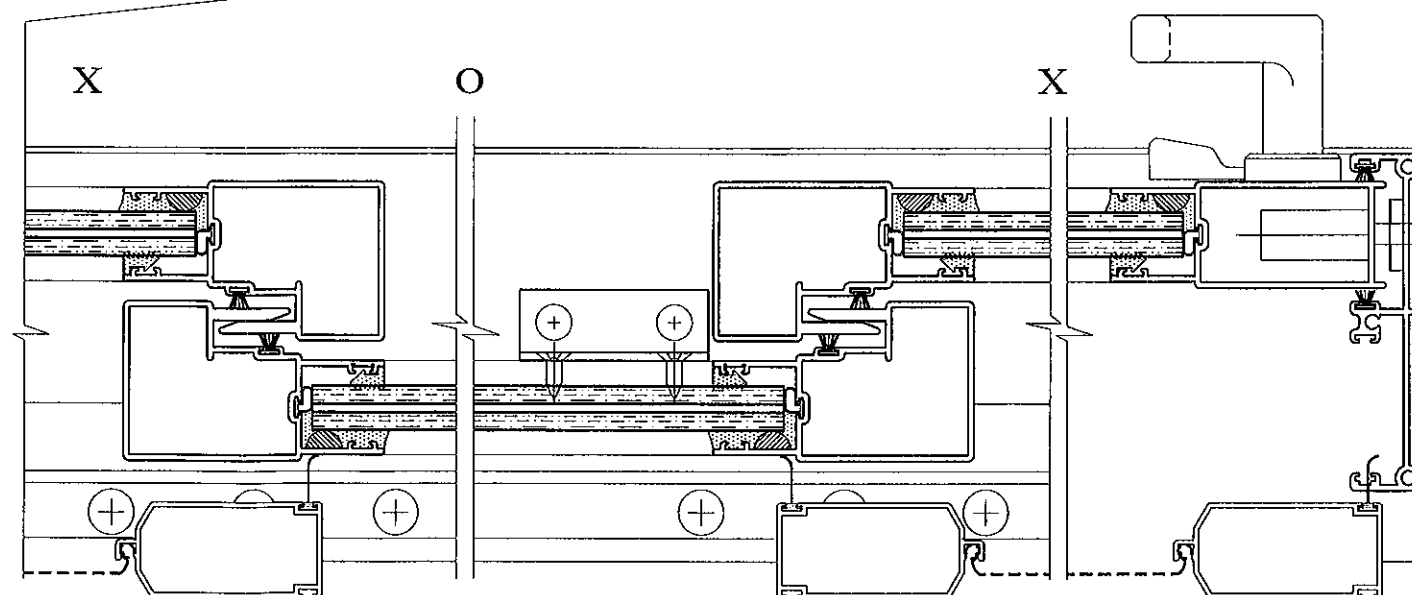
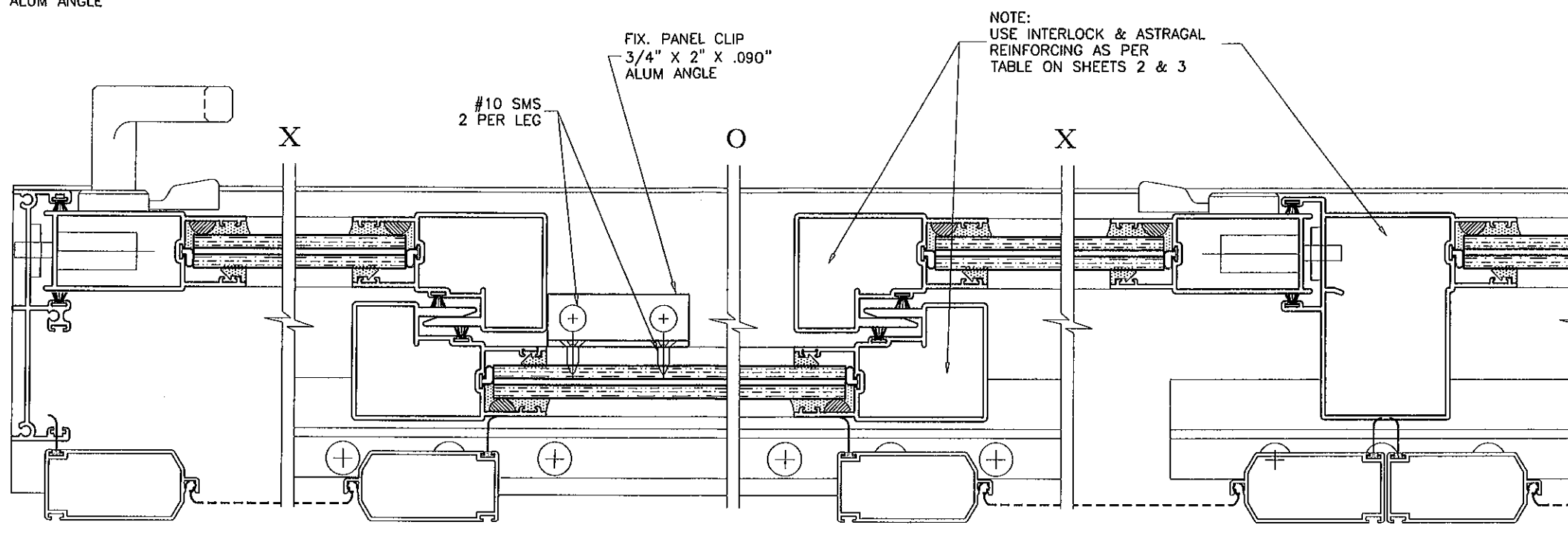
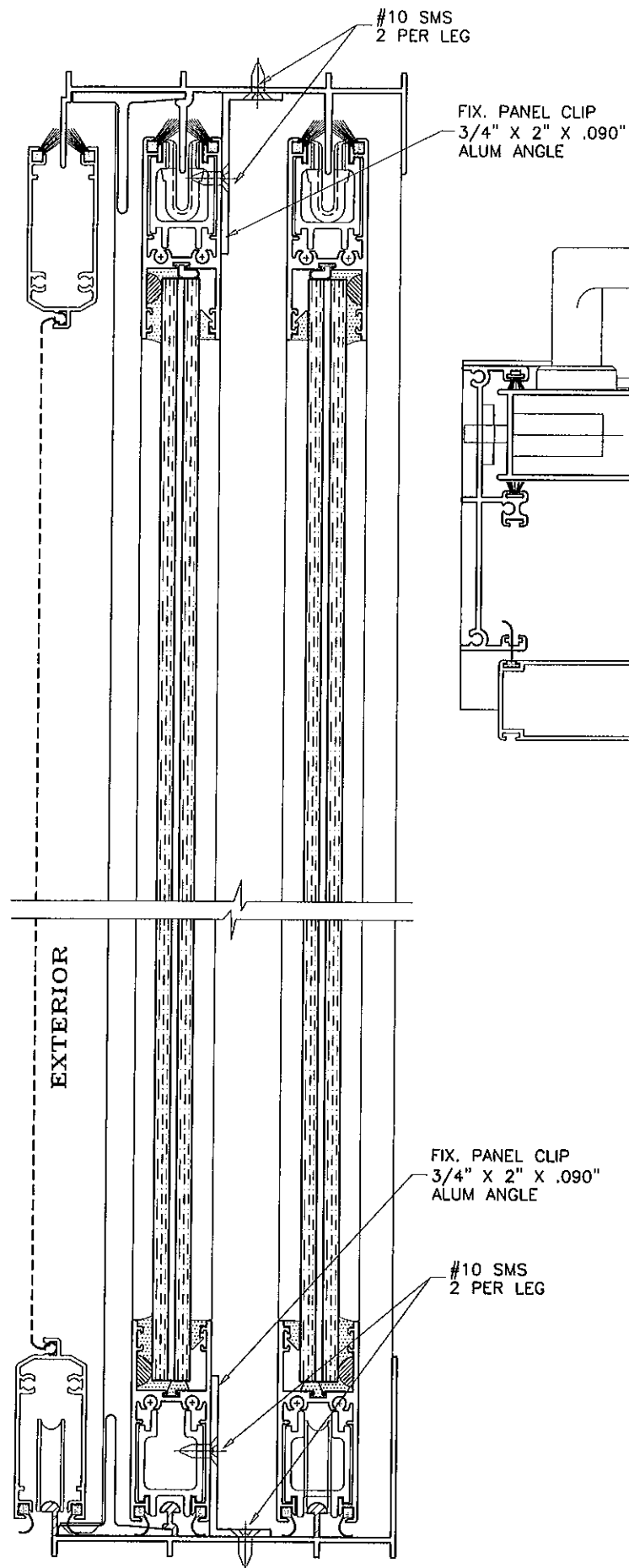
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W03-100ES

SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:	no	date	by	description
	D	09.14.06	REV. PER BCCO COMMENTS	
	E	02.15.08	BILL OF MATERIALS REV.	
	F	01.21.09	UPDATED FOR 2007 FBC	
	G	03.06.12	NO CHANGE THIS SHEET	

date: 11-08-03	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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drawing no.	W03-100
sheet	6 of 8



XXXXX CONFIGURATION

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af c

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G	03.06.12	NO CHANGE THIS SHEET	

date: 11-08-03

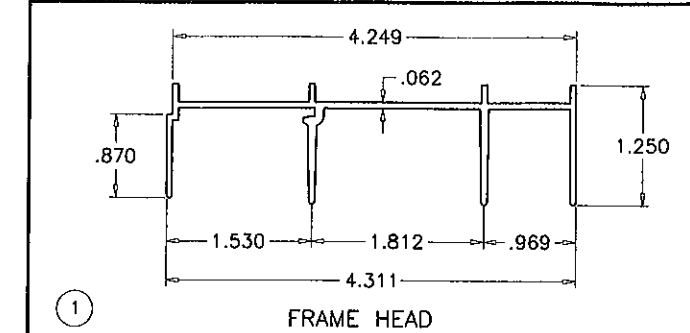
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dr. by: HAMID

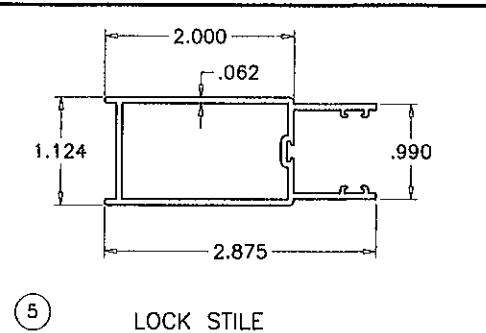
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W03-100

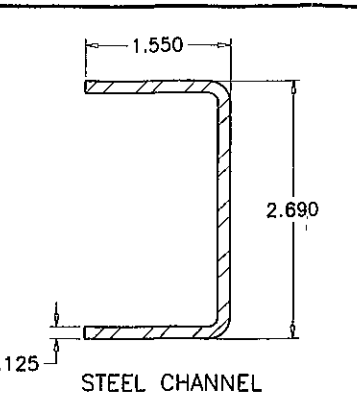
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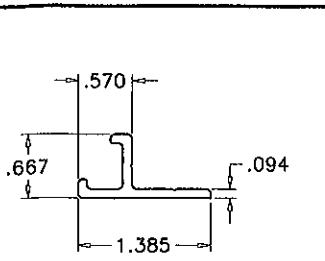
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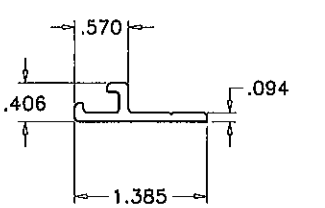
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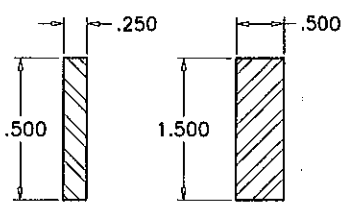


OUTSIDE PANEL
FIXED PANEL CLIP

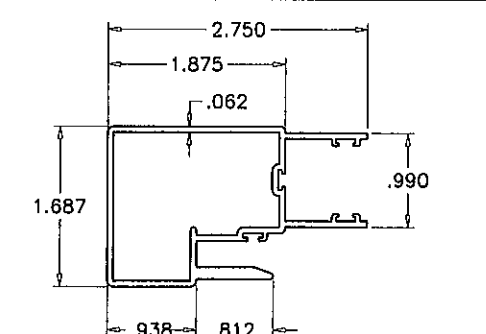


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FIXED PANEL CLIP

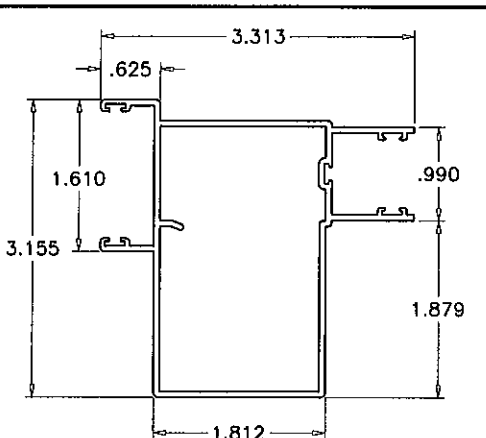
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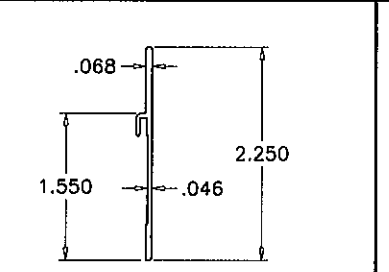
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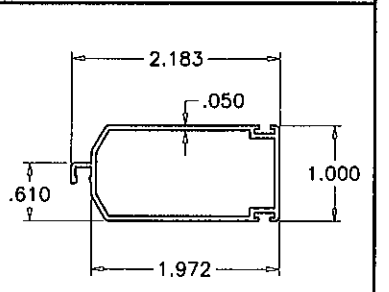
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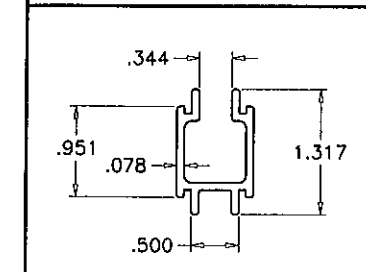
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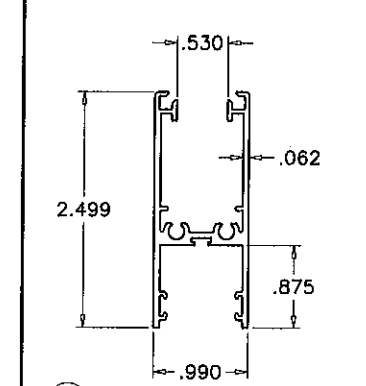
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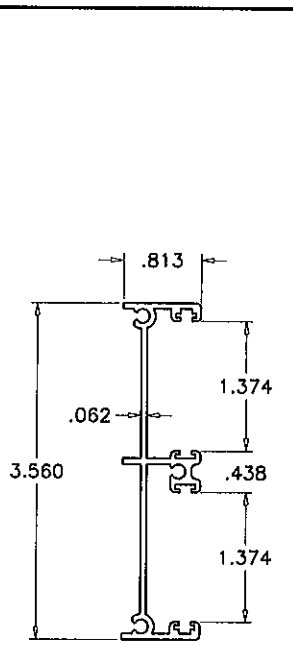
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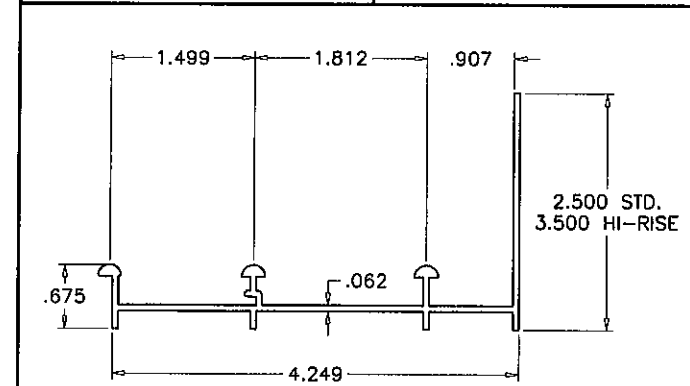
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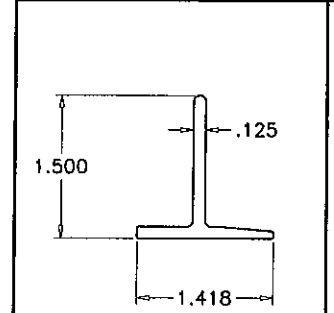
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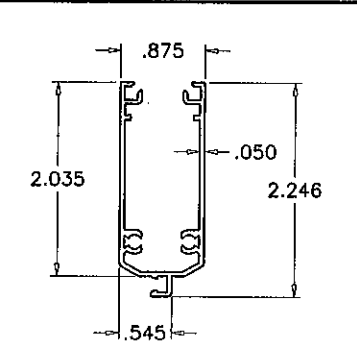
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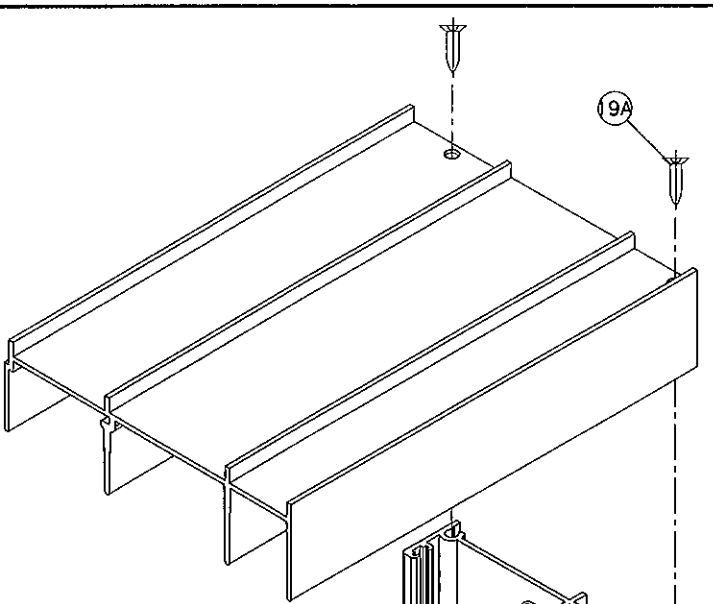
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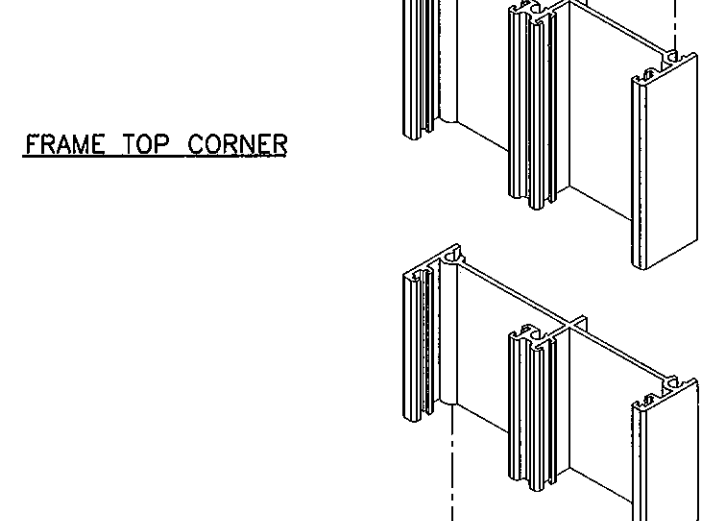
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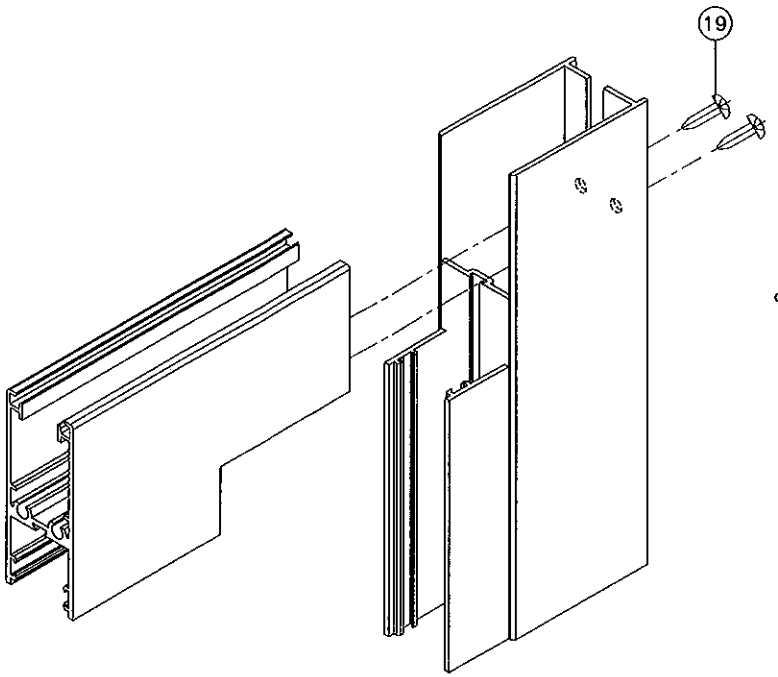
SCREEN TOP/BOTTOM RAIL



FRAME TOP CORNER



FRAME BOTTOM CORNER



PANEL CORNER

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